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“Broadband spectral-line surveys of star-forming regions: unveiling all
the molecular secrets”

Ana Lopez Sepulcre (東京大学・理学系研究科 (物理学専攻))

The past few years have witnessed a huge progress in the development of sensitive broadband (sub-)millimetre receivers, especially at single-dish telescopes. Thanks to this, it is now possible to carry out large spectral-line surveys that homogeneously cover tens and even hundreds of GHz in modest amounts of time, thus providing a unique, very powerful, tool to explore the molecular composition of the region under study. As a result, a new and very promising road in molecular astrophysics is opening, in particular in star formation research. I will introduce two recent large observational campaigns I am taking part in, ASAI and CHESS, entirely based on broadband spectral-line surveys of star-forming regions, and I will illustrate the huge potential of this approach with some selected results on complex organics, molecular ions, and isotopic anomalies. Finally, I will briefly introduce the importance of applying this technique also with (sub-)millimetre interferometers, where the (hopefully near) future of unbiased spectral-line surveys lies.